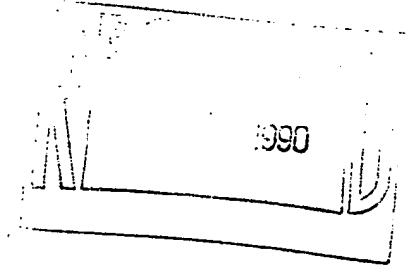




UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

#5



TO: EDWARD S. IRONS
919 - 18TH STREET, N.W.
STE. 800
WASHINGTON, DC 20006

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
- AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME -
NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE
AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 CITY OF HOPE, BECKMAN RESEARCH INST DOC DATE: 03/19/90
ITUTE

RECORDATION DATE: 04/03/90 NUMBER OF PAGES 002 REEL/FRAME 5267/0306

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 CITY OF HOPE, 1500 EAST DUARTE ROAD, DUARTE, CA 91010 A C
ORP. OF CA

SERIAL NUMBER	7-283142	FILING DATE	12/12/88
PATENT NUMBER		ISSUE DATE	00/00/00

SERIAL NUMBER	7-402450	FILING DATE	09/01/89
PATENT NUMBER		ISSUE DATE	00/00/00

ds

ASSIGNMENT

WHEREAS, CITY OF HOPE, BECKMAN RESEARCH INSTITUTE, having offices located at 1500 East Duarte Road, Duarte, California 91010, is the owner of the entire right, title and interest in the inventions as follows:

- (1) Serial No. 07/283,142 of R. Bruce Wallace, et al., entitled "Allele Specific Polymerase Chain Reaction," filed December 12, 1988 by assignment recorded February 1, 1989 at Reel 5037, Frame 0780-0781.
- (2) Serial No. 07/402,450 of George J. Murakawa, et al., entitled "Method of Amplification and Detection of DNA Sequences" filed September 1, 1989 as a continuation-in-part of Serial Nos. 355,296, 148,959 and 143,045 by assignment recorded November 29, 1989 (Reel and Frame Numbers unknown).

WHEREAS, CITY OF HOPE, a corporation of the state of California, hereinafter called Assignee and having its offices and place of business at 1500 East Duarte Road, Duarte, California 91010, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to any and all Letters Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

REEL 526 / FRAME 306

100-504-1

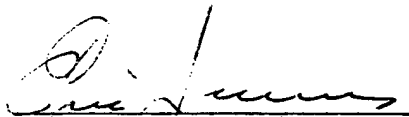
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CITY OF HOPE, BECKMAN RESEARCH INSTITUTE, by these presents does sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto (including the right to apply for Letters Patents in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions as described in said applications and in and to all Letters Patents granted therefor, and all divisions, reissues, continuations and continuations-in-part thereof, and CITY OF HOPE, BECKMAN RESEARCH INSTITUTE does hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patents on said inventions or resulting therefrom to said Assignee, as assignee of the entire right, title and interest.

RECEIVED / MAR 30 / 1990

IN WITNESS WHEREOF, I, ERIC R. JURRUS, Director, Office of Sponsored Research, of CITY OF HOPE, BECKMAN RESEARCH INSTITUTE have hereunto set my hand and seal this 19th day of March, 1990.

RECORDED
PATENT & TRADEMARK OFFICE

APR -3 90


Eric R. Jurrus, Director
Office of Sponsored Research

cohbri

PTO-103c (rev. 6-79) SECURITY FILE		GROUP NO.		FILING DATE		702,450		TRADEMARKS	
SCREENED BY		SEP 14 39 58		SERIAL NO. (SERIES OF 1970)		9-1-89		DOCKET NO.	
LICENSE <input type="checkbox"/>		APPLICANT		INVENTION					
DATE									
DARCOM		DRAWINGS		TOTAL CL'S		IND CL'S		FILING FEE REC	
NAVY <input type="checkbox"/>								TRANSACTION	
AF <input type="checkbox"/>								ATTY DK.	
CE <input type="checkbox"/>									
DOE <input type="checkbox"/>								NUMBER	
NASA <input type="checkbox"/>								15	
NSA <input type="checkbox"/>									
		DOE		see cl 78					

Title 35, United States Code (1952) Section 181

I hereby acknowledge that I have inspected the disclosure of the above identified application for patent in the administration of the law cited above, on behalf of the department or agency which I represent, and promise that any information acquired from said application will not be divulged, disclosed or used for any purpose other than in the administration of the cited law.

NAME	DATE	AGENCY REPRESENTED
V. Coress	2/25/90	DOE